

19990308.qrp v01_n389.qrl.990308

Date: Mon, 8 Mar 1999 19:08:14 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1389

QRP-L Digest 1389

Topics covered in this issue include:

- 1) [35016] the other guest speaker
by Jay Bromley <w5jay@alltel.net>
- 2) [35017] Re: NEW CALL SIGN
by "BC" <bcrow@powerlink.net>
- 3) [35018] 1999 ALASKA QSO PARTY...
by Alaska QRP Club <akqrp@eagle.ptialaska.net>
- 4) [35019] FOX: The Team Winners
by Bruce Rattray <rattray@gpfn.sk.ca>
- 5) [35020] re: ft.smith&k2
by "ke5tc" <ke5tc@crosstel.net>
- 6) [35021] Re: Ferrites and color codes
by "Graeme Zimmer" <gzimmer@vic.bigpond.net.au>
- 7) [35022] Toroid colors--faulty FTP instructions
by Mike Czuhajewski <wa8mcq@erols.com>
- 8) [35023] NC-20 VFO problem
by "Craig B. Johnson" <johns516@maroon.tc.umn.edu>
- 9) [35024] End fed 160m antenna question
by "Buck, Preston D" <BuckPD@corning.com>
- 10) [35025] FOX: The Team Winners
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 11) [35026] Re: Computer Logging Programs
by S LYON <sslyon@worldnet.att.net>
- 12) [35027] FOX: W8RU Fox Log for 22 Jan 99
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
- 13) [35028] NC20:neet troubleshooting help
by Tim Pettibone <tpettibo@NMSU.Edu>
- 14) [35029] FOX: W8RU Fox Log for 22 Jan 99
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
- 15) [35030] NC20 need troubleshooting help
by Tim Pettibone <tpettibo@NMSU.Edu>
- 16) [35031] Rainbow Toroid... Installed
by Jeff Johns <jeffj@scott.net>
- 17) [35032] Winners
by Fred J Kalt <w2xn@juno.com>
- 18) [35033] Re: Computer Logging Programs
by Jeff Johns <jeffj@scott.net>
- 19) [35034] Re: new (to me) rig

- by w4bws@juno.com
- 20) [35035] NC20(for the filters)Setting the Offset
by FrConrad@aol.com
- 21) [35036] Re: new (to me) rig
by "Vincent Ferme" <vferme@sprint.ca>
- 22) [35037] Re: ft.smith&k2
by Lee Bahr <bahr521@earthlink.net>
- 23) [35038] Wanting to sell.
by bob evinger <r.evinger@gte.net>
- 24) [35039] Re: Computer Logging Programs
by "Frank Grigaliunas" <fgrig@iea.com>
- 25) [35040] DX is!T30R 03:56 at 14.022.8
by Jess Gypin <jessqrp@concentric.net>
- 26) [35041] Useful Beacon for 30M to the Middle East?
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 27) [35042] DX Ops Like QRPers!
by Joe Gervais <vole@primenet.com>
- 28) [35043] Completed NC-20 Today...de Jack, WA7LNW
by Jack Reed <wa7lnw@infowest.com>
- 29) [35044] CQ DX/QRP....de Jack, WA7LNW
by Jack Reed <wa7lnw@infowest.com>
- 30) [35045] Ft. Smith Hamfest, Chuck Adams and Red Hot 40
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 31) [35046] Re: Computer Logging Programs
by Roger Hightower <n7kt@earthlink.net>
- 32) [35047] Re: ft.smith&k2
by Jay Bromley <w5jay@alltel.net>
- 33) [35048] Moving to the new list - warning!
by "Tony Fishpool" <g4wif@btinternet.com>
- 34) [35049] Fw: Useful Beacon for 30M to the Middle East?
by Fred J Kalt <w2xn@juno.com>
- 35) [35050] Hensley Paddles
by morehouset@tncc.cc.va.us
- 36) [35051] Re: QRO BIGOTS - ENOUGH ALREADY
by Scott Howell <whowell@hq.nasa.gov>
- 37) [35052] ab6gi de n0tu
by "Steve/n0tu" <n0tu@webaccess.net>
- 38) [35053] DL-QRP-PA question
by Alen Mitrovic <alenm@hermes.si>
- 39) [35054] 30mb Beacon
by "Dan Trigilio" <danjt@cruzio.com>
- 40) [35055] Using e-mail to subscribe to the new GQRP list
by "Tony Fishpool" <g4wif@btinternet.com>
- 41) [35056] Plastic varicaps
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
- 42) [35057] Re: Homebrew QSL Cards
by Jkn1olo@aol.com
- 43) [35058] Re:NC20:nee troubleshooting help

- by Bill Jones <kd7s@psnw.com>
- 44) [35059] Re: DX Ops Like QRPers!
by CQCL@aol.com
- 45) [35060] Re: DX Ops Like QRPers!
by "Mike Yetsko" <myetsko@insydesw.com>
- 46) [35061] Re: Computer Logging Programs
by Pete and Ros <peteros@home.com>
- 47) [35062] Re: DX Ops Like QRPers!
by Chris Cartwright <ccart@dns.vidtel.com>
- 48) [35063] Re: new (to me) rig
by SKIPNC90@aol.com
- 49) [35064] Clandestine Radios/Fair Radio Sales
by jaywa5whn@juno.com
- 50) [35065] FYB0: Final Log Check - Results this weekend
by Joe Gervais <vole@primenet.com>
- 51) [35066] SCIENTISTS TO ANNOUNCE POTENTIAL TOOL FOR FORECASTING ENORMOUS
SOLAR ERUPTIONS AT MARCH 9 SPACE SCIENCE UPDATE
by Scott Howell <whowell@hq.nasa.gov>
- 52) [35067] address for WQ0RP
by PGSPersEng@aol.com
- 53) [35068] Fox Appology
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
- 54) [35069] K2 live demo realized
by Allan G Taylor <k7gt@arrl.net>
- 55) [35070] Date needed on a key.
by Patrick Franzis <old_radios@yahoo.com>
- 56) [35071] Right-hand vs. Left Hand Toroids
by Mike Boatright <ko4wx@mindspring.com>
- 57) [35072] Re: Right-hand vs. Left Hand Toroids
by Allan G Taylor <k7gt@arrl.net>
- 58) [35073] Re: NC20(for the filters)Setting the Offset
by Mont Pierce <montp@synacom.com>
- 59) [35074] Invisible Antenna Try#1
by Ed Loranger <we6w@qsl.net>
- 60) [35075] Joe Everhart at NorCal Meeting
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 61) [35076] Fox Hunting Teams
by Fred J Kalt <w2xn@juno.com>
- 62) [35077] FS: Yaesu FT-840, MFJ Code Tutor
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 63) [35078] 40 mtr qrp / sstv 7.228mhz
by hamjoel@juno.com
- 64) [35079] Motorola MC-3361 "Radio on a chip"
by K2UD@aol.com
- 65) [35080] Re: TROUBLE!: NC-20 beeping at me!
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 66) [35081] Re: NC-20 VFO problem
by Danh Le <dle@san-jose.tt.slb.com>

- 67) [35082] Re: Motorola MC-3361 "Radio on a chip"
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 68) [35083] Re: Inverted-L
by dave.g0dja@psilink.co.uk (Dave Ackrill)
- 69) [35084] RE: Inverted L
by dave.g0dja@psilink.co.uk (Dave Ackrill)
- 70) [35085] Re: Invisible Antenna Try#1
by Ed Loranger <we6w@qsl.net>
- 71) [35086] Re: FOX: Another fun year behind us
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 72) [35087] Prop Doc what's up w/SF
by "Steve/n0tu" <n0tu@webaccess.net>
- 73) [35088] Something's missing...
by Macstein@aol.com
- 74) [35089] TEN-TEC KR-20 MANUAL
by Brad Bradfield <b_bradfield@yahoo.com>
- 75) [35090] Deaf NC20
by DYARNES@aol.com
- 76) [35091] Re: Something's missing...
by "Vincent Ferme" <vferme@sprint.ca>
- 77) [35092] Re: Right-hand vs. Left Hand Toroids
by "Justin McAllister" <kd5ako@hotmail.com>
- 78) [35093] Re: Deaf NC20
by "Michael A. Gipe" <mgipe@reliablemeters.com>

Date: Sun, 07 Mar 1999 18:03:00 -0600
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35016] the other guest speaker
Message-ID: <36E313B4.E190CF1A@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I guess I been working to hard on the K2 trying to get it ready for the Fort Smith Hamfest and not been very responsive to our other guest speaker, Mr. Chuck Adams. If you on this list you know who he is. He will be driving up this Friday to join Doug and the rest of the gang for a overdose of QRP extravaganza. Now that's dedication! If your within driving distance of Fort Smith and love QRP I can't imagination you not attending this Saturday March the 13th.

The reason for the post is our web page manager has been ill and has not

added Chuck to the web page yet. He is working on this as we speak.

With world class speakers like Doug Hendricks and Chuck Adams this is going to be fun event. The facility is as good as any so come out and join us. During the forum we will find out how many want to go out to lunch after the forum and make arrangements accordingly. It always seems like there isn't enough time to converse with our fellow QRPers but, not here. This will be a very laid back event, it almost sounds like a Mid America Nor-Cal meeting.

It now easy to get here there are four lanes east, west, and north. South someday before I die, hihi.

When the web page is done I will let you know. In the mean time if you want to check it out at <http://www.qsl.net/fsaarc/>

Boy I sure got my bits in today, hope to see you this Saturday. Now back to the K2 iron.

73 de w5jay..

Date: Sun, 7 Mar 1999 19:35:15 -0500
From: "BC" <bcrow@powerlink.net>
To: <hamjoel@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35017] Re: NEW CALL SIGN
Message-ID: <018501be68fb\$8a158a20\$28c59ad0@bcrow.powerlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Congrats on the new call, Joel. Now on cw, you will appear to be "one of us" instead of "from away." But on voice, you still talk funny!

73 de Bill, K1NIT

-----Original Message-----

From: hamjoel@juno.com <hamjoel@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Thursday, March 04, 1999 4:50 PM
Subject: NEW CALL SIGN

>Highest gang

>

>Chris sent me an e-mail letting me kneaux that I am now KE1LA
>
>THAT'S K-ilo E-cho 1 L-uzzie A-nna :-)
>how's that for
>luck of the draw!!!! good lord taking care of this cajun lad.... yes
>sir.... don't u never think that Cajun Mamas don't have any pull.....
>my cajun mama is so happy she cooking crawfish et to fay tonite.....
>with fried frog legs on the side..... oh mama....
>
>Joel KE1LA, in maine, still suffering frum the cold.... :-=)
>-----
>You don't need to buy Internet access to use free Internet e-mail.
>Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
>or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 7 Mar 1999 15:31:59 -0900 (AKST)
From: Alaska QRP Club <akqrp@eagle.ptialaska.net>
To: qrp-l@lehigh.edu
Subject: [35018] 1999 ALASKA QSO PARTY...
Message-ID: <v03007801b3084c7f5be1@[208.151.118.81]>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

Hi Gang...

<fontfamily><param>Geneva</param>ALASKA QSO
PARTY<color><param>117A,BF7A,B1E5</param>

</color>March 20 & 21 1999<color><param>117A,BF7A,B1E5</param>

</color>

.....It's that time of the year again !!! Time for the <bold>1999
ALASKA QSO PARTY</bold>... Here is your chance to work that elusive
KL7 and perhaps pick up some wallpaper in the process... Again this
year the Alaska QRP Club will give a special certificate to the highest
submitted QRP scores in three categories: DX QRP, Stateside QRP, and
Alaska QRP... These certificates are in addition to any awards or
certificates issued by the <bold>South Central Amateur Radio
Club</bold><color><param>117A,BF7A,B1E5</param> </color>(sponsor of the
Alaska QSO Party) so do submit a log to SCARC and AKQRP... Check their
website for full <bold>details of this years QSO Party</bold>...

South Central Amateur Radio Club - Website

<color><param>0000,0000,FFFF</param> <http://www.servcom.com/worcester/>

Alaska QSO Party Rules & Regs

<http://www.servcom.com/worcester/qso.htm>

Take care and have fun...</color></fontfamily>

72 - Bruce - KL7H

Alaska QRP Club - KL7AQC

Alaska QRP Club 10 Meter Beacon - KL7AQC / BCN - 28.282.5

Alaska QRP Club Web Site:

<http://www.ptialaska.net/~bhopkins/akqrp/>

Date: Sun, 7 Mar 1999 18:53:21 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [35019] FOX: The Team Winners
Message-ID: <Pine.LNX.3.95.990307182437.17587A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It gives me great pleasure to announce that the HOUSTON HOUNDS, consisting of K5ZTY, W5SB, KQ5U and KK5LD have won the 40 mtr Fox Hunt Team Competition! The Houston Hounds will be the first Team to receive the Team Plaque. I also want to congratulate ALL the teams as they struggled with propagation (now you hear the fox, now you don't!), family schedules, personal illnesses, equipment that fell victim to Murphy's law, etc. A

big thank you to every Team for not complaining about the non-level playing ground due to uneven teams; I think next season we should have just 3 stations on each team. A very big THANK YOU to everyone who was able to help me through the hunting season, keep the scores, etc. I lost track of things around the end of the year but with everyone's help I have accounted for all the logs except one. I'm attempting to get W8RO's log which will not affect the winning team but might change the scores slightly of the other teams. It was also a learning experience for me; for instance I was educated to the RF Trench that the Jersey Diddles had to fight with all the time. On to the scores! Oh, if there are any of the Houston Hounds attending FDI, please let me know via e-mail. Thanks again everyone as YOU ALL were responsible for making the team competition a super time....GOOD FORM! 72 - Bruce (VE5RC)

...K5ZTY.....hunt #38....

The 40 mtr Fox Hunt Team Scores

..the Houston Hounds- 29.650 - hounds-> W5SB,KQ5U,KK5LD

...the Underdogs - 24.907 - hounds -> N4ROA,AB7CE,KI0II "CLEAN SWEEP!"

...the Texas Tarantulas - 24.750 - hound -> W5HNS

...the Vibro-Fox Finders - 23.400 - hounds -> KU7Y,K2VCO

...the Fox Nabbers - 20.393 - hound -> K0EVZ

...the Brass Pounders - 19.666 - hounds -> N1FN,AK7Y

...the Northern Lights - 16.929 - hounds -> VE5RC,VE2KN

...the Kentucky Porch Houndz - 9.500 -

...the Team Apathy - 9.325 - hound -> AB7TT

....the Swords - 8.991 - hound -> N8VAR

...the Jersey Diddles - 3.656 - hounds -> N4JS,N2WF

Date: Sun, 7 Mar 1999 18:55:44 -0600
From: "ke5tc" <ke5tc@crosstel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35020] re: ft.smith&k2
Message-ID: <000d01be68fe\$79bc0660\$d06c1ece@computer-1>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jay:
You will have a completed K2 on display at the
qrp forum Sat., won't you ?????

Royce KE5TC

Date: Mon, 8 Mar 1999 12:02:26 +1100
From: "Graeme Zimmer" <gzimmer@vic.bigpond.net.au>
To: <wa8mcq@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35021] Re: Ferrites and color codes
Message-ID: <009901be68ff\$557a9a40\$6a18c018@vic.bigpond.net.au>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all,

Subject: Ferrites and color codes

>I got a bit of a chuckle out of the recent post asking how to identify
>ferrite toroids, and the question about why they aren't color coded.
>Been there, done the research :-)

I notice that recently (at least in my part of the world) most of the
outlets
have suddenly started stocking a range of ferrite and iron-dust toroids..

These units are designed for EMC suppression and thus are very lossy
above about 50Khz.

I have played at length with a bunch of them and found them to be quite
useless as normal RF toroids. They result in very low Q circuits.

So watch out buying unknown toroids...

73's Zim VK3GJZ

Date: Sun, 07 Mar 1999 20:22:41 -0500
From: Mike Czuhajewski <wa8mcq@erols.com>
To: QRP forum <qrp-l@lehigh.edu>
Subject: [35022] Toroid colors--faulty FTP instructions
Message-ID: <36E32661.D1@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry about that--I made a mistake in the FTP instructions; someone already told me it didn't work

>To do FTP, go to ftp.lehigh.edu, pub, listserv, qrp-l, archives. You'll
>see a list of the items in that area. If you're doing this through a
>browser, click on index.html and it will give you an html index, and
>that will allow you to download without worrying about the compression.
>If anyone has trouble downloading the article, I can e-mail a copy.

I used the term "archives" earlier in the posting, meaning the entire collection of all qrp-l material held at the server, and had "archives" on the brain. After you get to listserv, qrp-l, go to "articles" and not to "archives". The latter will take you to the message archives, ie, All the Postings That Ever Were :-). To find the articles, go to "articles" and not "archives". Sorry 'bout that! (And the offer to e-mail a copy still stands.)

--

73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Sun, 7 Mar 1999 19:48:23 -0600
From: "Craig B. Johnson" <johns516@maroon.tc.umn.edu>
To: <qrp-l@lehigh.edu>
Subject: [35023] NC-20 VFO problem
Message-ID: <000d01be6905\$e9527200\$0101a8c0@cbj-pentium>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

NC-20 Troubleshooters,

I can't believe it; I'm already stuck on my NC-20 construction project.

I built the power supply, and all voltages and the current draw were right on.

I built the VFO and upon completion found it is not oscillating at all. So...

- I carefully checked all the parts.
- I carefully checked for solder bridges.
- I checked for DC continuity across the three junctions of the L1 coil. Since there is continuity on the solder side of the board, I take this to mean I have good solder connections to the coil wires.
- Diodes D4 and D23 are OK. Ohm meter shows that current flows in one direction but not in the other.
- Finally, I tried replacing Q2. Same result.
- I get 8 volts on the Drain of Q2. Zero on Source and Gate.
- The capacitors are difficult to measure "in circuit" since there is a DC path to ground through the coil.

I am looking at the oscillator with my oscilloscope at the RF test point. This is via a jumper over to the anode of D23.

Any suggestions about how to tackle this? If I disconnected the jumper over to D23 and just used my oscilloscope at the C8 - R12 junction, would the oscilloscope alone load it enough to prevent it from oscillating?

Are the J310 FETs extremely sensitive, such that I could be blowing them by handling them (carefully) and inserting them in the board?

I have hesitated about pulling the L1 coil out to check the rest of the circuit for shorts, shorted capacitors etc. I suppose that may be my next step. I just know that I probably won't be able to get it back into its tight quarters without rewinding it so I have the longer leads to feed back into the holes.

Any suggestions would be much appreciated.

73,
- Craig, AA0ZZ

Date: Sun, 07 Mar 1999 21:13:13 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>

Subject: [35024] End fed 160m antenna question
Message-ID: <62C28BE46356D2118F5D0000F8CD13F1A7C307@SILVER.CORNING.COM>
Content-Return: allowed
Mime-Version: 1.0
Content-Type: text/plain

Greetings from the land of lots of snow,

I've got two feet of the stuff in the yard. It did keep me home from work on thursday (my b-day) so I shouldn't complain. But I am sure glad my neighbor has a tractor and likes to plow snow!

The snow has done something to my MFJ vertical and now I my SWR is really high. Like 5:1 where it was less than 2:1 all over. I can't seem tune it out with the tuner. Of course, I discovered this during the DX contest this weekend! Might be the feedline as the connector joining the two cables was under the snow and my crawlspace has 6 inches of water in it. Some of the coax was in the water but no longer. This must be a recurring problem because the landlord has a pump there, too bad it doesn't work. No radio this weekend, what a bummer. I heard some good loud DX but they didn't hear me. I will get the ladder out next week and climb up for a look see and replace the cable with some RG213.

But my thoughts turn to greener pastures. I have been reading LB's extensive site and I believe I will put up a 160m end fed antenna. The property I am renting is long and narrow, like 1 acre wide and 12 acres deep. I am thinking of two full wavelengths on 160m, fed with ladderline. I will run coax out of the building to a 4:1 balun which will connect to the ladderline. The antenna will be facing east and I can probably get heights in the 30-40ft range. Plus it will be fairly unobtrusive if I use wire with black insulation.

Wish me luck in both my endeavors. Gotta get radiating.

73, Preston, n0glm, Southern NY State

My words, not my employers.

Date: Sun, 7 Mar 1999 21:19:57 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:rattray@gpfn.sk.ca" <rattray@gpfn.sk.ca>
Cc: QRP-L Discussion Group <QRP-L@Lehigh.edu>, "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [35025] FOX: The Team Winners
Message-ID: <199903072124_MC2-6D01-B95A@compuserve.com>
MIME-Version: 1.0

Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Bruce:

Will send W8RO's log again. Guess my e-mail is still messing up. Use Compuserve (older version) and it sometimes needs maintenance. Anyway, watch for the log to complete your work. Thanks!

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 7187

Bismarck, ND 58507

70511.3041@compuserve.com

Date: Sun, 07 Mar 1999 18:56:12 -0500
From: S LYON <sslyon@worldnet.att.net>
To: ccieslak@law.uiuc.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35026] Re: Computer Logging Programs
Message-ID: <36E3121C.A4176F@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I've been using Log-EQF (on recommendation) since I got my ticket in '94 and really like it. It's QRP friendly, too, AND it's going to be working with QSL-MAKER soon according to WB8RCR. Tom, N3EQF is a real good gent and goes to exceptional lengths to see his customers happy.

72

-s-

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Sun, 7 Mar 1999 21:29:37 -0500
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
To: "Paul Valko" <prvalko@oakland.edu>
Cc: QRP-L Discussion Group <QRP-L@LEHIGH.EDU>, "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [35027] FOX: W8RU Fox Log for 22 Jan 99
Message-ID: <199903072134_MC2-6CF5-4DFF@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Bruce:

Is this the log you are missing? Hope so. If not, just let me know, and I will do more digging. Glad to assist any way possible :-).

72/73,
--Doc Lindsey/K0EVZ
DSBF
P.O. Box 7187
Bismarck, ND 58507
E-Mail 70511.3041@compuserve.com

----- Forwarded Message -----

Subject: FOX: W8RU Fox Log for 22 Jan 99
Date: 25-Jan-99 at 00:36
From: INTERNET:majewskirim-int.com, INTERNET:majewskirim-int.com

TO:

Sender: owner-qrp-l@Lehigh.EDU
Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])
by hpamgaaa.compuserve.com (8.8.8/8.8.8/HP-1.0) with ESMTP id AAA04972;
Mon, 25 Jan 1999 00:35:58 -0500 (EST)
Received: from LOCALHOST ([127.0.0.1]:4844 "HELO Lehigh.EDU" ident: "IDENT-NOT-
QUERIED") by fidoii.cc.Lehigh.EDU with SMTP id
<537771-36144>; Mon, 25 Jan 1999 00:33:43 -0500
Received: from nss4.CC.Lehigh.EDU ([128.180.1.13]:1171 "EHLO nss4.cc.Lehigh.EDU"
ident: "IDENT-NOT-QUERIED") by
fidoii.cc.Lehigh.EDU
with ESMTP id <53979-56622>; Mon, 25 Jan 1999 00:29:22 -0500
Received: from sdag200a (rl200a.erim-int.com [155.102.161.14])
by nss4.cc.Lehigh.EDU (8.9.1a/8.9.1) with SMTP id AAA73118
for <qrp-l@lehigh.edu>; Mon, 25 Jan 1999 00:29:21 -0500
Received: by sdag200a (SMI-8.6/SMI-SVR4)

id AAA17410; Mon, 25 Jan 1999 00:28:05 -0500
 Message-Id: <199901250528.AAA17410@sdag200a>
 Date: Mon, 25 Jan 1999 00:28:05 -0500
 Reply-To: majewski@erim-int.com
 Sender: owner-qrp-1@Lehigh.EDU
 Precedence: bulk
 From: majewski@erim-int.com (Ron Majewski)
 To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
 Subject: FOX: W8RU Fox Log for 22 Jan 99
 X-To: qrp-1@lehigh.edu
 X-Cc: prvalko@oakland.edu
 X-Orcpt: rfc822;qrp-1@fidoii.CC.Lehigh.EDU
 X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN

Time UTC	Station Worked	Fox RST	Hound RST	Hound QTH	Hound Name	Hound QRP-L	Hound Power
0200	n0ur	599	559	mn	jim	799	
0201	w1eat		559	vt	tom		1w
0202	k0evz		579	559	nd	doc	861
0203	n1fn	559	559	co	marshall	1153	
0205	kg2lo		579	579	nj	roland	1445
0206	k1qm	579	559	ma	joel	337	
0207	ku7y	579	559	nv	ron	17	
0209	ka4bm		559	449	fl	jim	5w
0210	nq7x	569	559	az	floyd	343	
0213	ak7y	559	559	az	greg	1693	
0215	ai4cw		349	559	al	don	1670
0217	k5zty		559	559	tx	bill	473
0218	n0ea	559	559	mo	wayne	1058	
0220	n5lu	599	559	ok	bill		5w
0222	w8sff		559	559	mi	steve	1288
0223	aa5ta		569	559	tx	larry	1245
0225	w5sb	449	569	tx	bill	1279	
0226	ab5ua		579	559	ok	cliff	478
0228	n5tw	559	559	tx	tom	1474	
0229	w0rsp		569	559	sd	ade	661
0230	w0ch	579	579	mo	dave	618	
0231	n5ji	569	559	tx	dick	1054	
0232	k5on	559	559	nm	gary		770
0234	k1oj	559	559	tx	oj	732	
0235	k4ima		589	559	ky	pete	4w
0236	k5jhp		579	579	tx	bill	825
0237	k7tq	559	559	id	randy	102	
0239	ve7cqk		599	569	bc	paul	20
0240	k5up	559	559	ok	glen	21	
0242	ab7ce		559	559	mt	roy	4w

0243 kb7ww	579	559	or	art	290
0244 ab5wx	559	559	tx	dave	1718
0246 ve6ewm	559	559	ab	carl	1076
0249 k6vnx	559	559	ca	arlen	1175
0250 ww7y 559	559		ut	steve	94
0252 k5oi 559	559		nm	tim	73
0253 kf4ksm	569	559	fl	mac	704
0255 k2vco	559	559	ca	vic	725
0257 kk5ld	559	449	tx	dad	5w
0258 w5hns	449	449	tx	henry	178
0300 k5ln 339	549		tx	bill	1794
0301 ab7my	599	559	az	gary	571
0303 ka5t 449	449		tx	larry	89
0303 kq5u 559	559		tx	terry	1603
0305 kk5ld	559	559	tx	dad	5w
0307 n1tp 579	559		fl	tom	1317
0310 ab8df	449	449	mi	ed	1444
0311 we6w 569	449		ca	ed	1068
0313 wn6hyx	449	449	ca	mary	1779
0315 n6wg 339	449		ca	bob	26
0317 w4vct	579	449	ky	pete	1721
0319 ab5wx	559	559	tx	dave	1718
0321 kd2kw	599	559	tx	ken	5w
0324 k5ln 599	449		tx	bill	1794
0329 ki0ii	559	449	co	ron	928
0332 ws4s 559	449		tn	conard	993
0334 ks4l 569	449		al	mac	468
0339 ve5rc	339	559	sk	bruce	886
0344 ws8d 449	449		mi	steve	1188
0348 af5z 579	559		tx	bob	984
0349 k5nz 559	559		tx	mike	5w
0353 kk5wl	559	339	tx	gary	330
0357 k8cv 339	339		mi	walt	935
0359 w2xn 559	559		fl	fred	1728

Date: Sun, 7 Mar 1999 19:36:55 -0700
 From: Tim Pettibone <tpettibo@NMSU.Edu>
 To: qrp-l@lehigh.edu
 Subject: [35028] NC20:neet troubleshooting help
 Message-ID: <199903080236.TAA197760@nestor.NMSU.Edu>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"

Finished my NC20 and have had some good contacts - some with other NC20s!
Problem is that the RIT effects the transmit frequency as well. The RIT
get's turned off during transmit by a change in the mute line from about 6
volts to 0.2 volts or so - that checks out. The RIT network is fed with 8v
and that's there too. How do I find out why RIT is acting like a XIT? Also
have had some reports of frequency pulling with keying. Went to a bigger
power lead but that only helped a bit. Any ideas on what to check for? Thanks.

Tim K50I
Las Cruces, NM

p.s. Still have to start the K2 - whew. For a non-builder, I'm building a lot!

Date: Sun, 7 Mar 1999 21:34:56 -0500
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
To: Bruce Rattray <rattray@gpfn.sk.ca>, QRP-L Discussion Group <QRP-L@LEHIGH.EDU>,
"W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [35029] FOX: W8RU Fox Log for 22 Jan 99
Message-ID: <199903072138_MC2-6CFA-57D@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Bruce:

My browser seems to be still messed up, so here is another attempt at
sending the log. Hope this is the one you need :-)

72/73,
--Doc Lindsey/K0EVZ
DSBF
P.O. Box 7187
Bismarck, ND 58507
E-Mail 70511.3041@compuserve.com

----- Forwarded Message -----

Subject: FOX: W8RU Fox Log for 22 Jan 99
Date: 25-Jan-99 at 00:36
From: INTERNET:majewskirim-int.com, INTERNET:majewskirim-int.com

TO:

Sender: owner-qrp-l@Lehigh.EDU
 Received: from fidoi.cc.lehigh.EDU (fidoi.cc.lehigh.EDU [128.180.1.4])
 by hpamgaaa.compuserve.com (8.8.8/8.8.8/HP-1.0) with ESMTP id AAA04972;
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 <53771-36144>; Mon, 25 Jan 1999 00:33:43 -0500
 Received: from nss4.cc.lehigh.EDU ([128.180.1.13]:1171 "EHLO nss4.cc.lehigh.EDU"
 ident: "IDENT-NOT-QUERIED") by
 fidoi.cc.lehigh.EDU
 with ESMTP id <53979-56622>; Mon, 25 Jan 1999 00:29:22 -0500
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 by nss4.cc.lehigh.EDU (8.9.1a/8.9.1) with SMTP id AAA73118
 for <qrp-l@lehigh.edu>; Mon, 25 Jan 1999 00:29:21 -0500
 Received: by sdag200a (SMI-8.6/SMI-SVR4)
 id AAA17410; Mon, 25 Jan 1999 00:28:05 -0500
 Message-Id: <199901250528.AAA17410@sdag200a>
 Date: Mon, 25 Jan 1999 00:28:05 -0500
 Reply-To: majewski@erim-int.com
 Sender: owner-qrp-l@Lehigh.EDU
 Precedence: bulk
 From: majewski@erim-int.com (Ron Majewski)
 To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
 Subject: FOX: W8RU Fox Log for 22 Jan 99
 X-To: qrp-l@lehigh.edu
 X-Cc: privalko@oakland.edu
 X-Orcpt: rfc822;qrp-l@fidoi.cc.lehigh.EDU
 X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN

Time	Station	Fox	Hound	Hound	Hound	Hound	Hound
UTC	Worked	RST	RST	QTH	Name	QRP-L	Power
0200	n0ur 599	559	mn	jim 799			
0201	w1eat	559	559	vt tom		1w	
0202	k0evz	579	559	nd doc	861		
0203	n1fn 559	559	co	marshall	153		
0205	kg2lo	579	579	nj roland		1445	
0206	k1qm 579	559	ma	joel	337		
0207	ku7y 579	559	nv	ron	17		
0209	ka4bm	559	449	fl jim		5w	
0210	nq7x 569	559	az	floyd	343		
0213	ak7y 559	559	az	greg	1693		
0215	ai4cw	349	559	al don	1670		
0217	k5zty	559	559	tx bill	473		
0218	n0ea 559	559	mo	wayne	1058		
0220	n5lu 599	559	ok	bill		5w	

0222	w8sff	559	559	mi	steve	1288
0223	aa5ta	569	559	tx	larry	1245
0225	w5sb 449	569		tx	bill	1279
0226	ab5ua	579	559	ok	cliff	478
0228	n5tw 559	559		tx	tom	1474
0229	w0rsp	569	559	sd	ade	661
0230	w0ch 579	579		mo	dave	618
0231	n5ji 569	559		tx	dick	1054
0232	k5on 559	559		nm	gary	770
0234	k1oj 559	559		tx	oj	732
0235	k4ima	589	559	ky	pete	4w
0236	k5jhp	579	579	tx	bill	825
0237	k7tq 559	559		id	randy	102
0239	ve7cqk	599	569	bc	paul	20
0240	k5up 559	559		ok	glen	21
0242	ab7ce	559	559	mt	roy	4w
0243	kb7ww	579	559	or	art	290
0244	ab5wx	559	559	tx	dave	1718
0246	ve6ewm	559	559	ab	carl	1076
0249	k6vnx	559	559	ca	arlen	1175
0250	ww7y 559	559		ut	steve	94
0252	k5oi 559	559		nm	tim	73
0253	kf4ksm	569	559	fl	mac	704
0255	k2vco	559	559	ca	vic	725
0257	kk5ld	559	449	tx	dad	5w
0258	w5hns	449	449	tx	henry	178
0300	k5ln 339	549		tx	bill	1794
0301	ab7my	599	559	az	gary	571
0303	ka5t 449	449		tx	larry	89
0303	kq5u 559	559		tx	terry	1603
0305	kk5ld	559	559	tx	dad	5w
0307	n1tp 579	559		fl	tom	1317
0310	ab8df	449	449	mi	ed	1444
0311	we6w 569	449		ca	ed	1068
0313	wn6hyx	449	449	ca	mary	1779
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0317	w4vct	579	449	ky	pete	1721
0319	ab5wx	559	559	tx	dave	1718
0321	kd2kw	599	559	tx	ken	5w
0324	k5ln 599	449		tx	bill	1794
0329	ki0ii	559	449	co	ron	928
0332	ws4s 559	449		tn	conard	993
0334	ks4l 569	449		al	mac	468
0339	ve5rc	339	559	sk	bruce	886
0344	ws8d 449	449		mi	steve	1188
0348	af5z 579	559		tx	bob	984
0349	k5nz 559	559		tx	mike	5w
0353	kk5wl	559	339	tx	gary	330

0357 k8cv 339 339 mi walt 935
0359 w2xn 559 559 fl fred 1728

Date: Sun, 7 Mar 1999 19:42:32 -0700
From: Tim Pettibone <tpettibo@NMSU.Edu>
To: qrp-l@lehigh.edu
Subject: [35030] NC20 need troubleshooting help
Message-ID: <199903080242.TAA30798@nestor.NMSU.Edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Completed the NC20 and have had lots of fun contacts, including several with other NC20s. Am having a couple of problems. One, RIT changes xmit frequency as well. I've got good mute voltage change (6 to 0.2 v) and the top end of the RIT network is at 8 volts. What to look for? I've checked parts placement and solder bridges. Then, I've had several reports of frequency pulling with keying. I can hear the pulling using another receiver. Sounds like 10s of KHZ at most but it is noticeable. Any suggestions?

Tim K50I
Las Cruces, NM

p.s. Now to find time for the K2. For a "non-builder" I'm sure building a lot!

Date: Sun, 7 Mar 1999 20:55:59 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [35031] Rainbow Toroid... Installed
Message-ID: <199903080255.UAA03869x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Thanks to all who responded to my Rainbow tuner toroid question. To get the taps into the holes all I had to do was just cut the end where the magnet wire was looped and it slid right into the holes.

Now let me ask another question to ask those of you who put your Rainbow into the aluminum enclosure. Should I hold off installing the trimmer capacitor since I think it needs to be removed to install the Rainbow into the enclosure and should I also wait until I get the enclosure to install the LED's to make sure I don't cut the leads too short? I'm open to any and all suggestions and comments.

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Sun, 7 Mar 1999 21:56:31 -0500
From: Fred J Kalt <w2xn@juno.com>
To: qrp-l@lehigh.edu
Subject: [35032] Winners
Message-ID: <19990307.215632.-870759.0.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Congratulations to those pesky Texans on winning the first place in the Fox Hunts. You folks did a great job, and will be hard to beat next year.

Congratulations

,
Fred W2XN (w2xn@arrl.net)
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP
#233 QRP-L #1728
My Web Page:
<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 7 Mar 1999 21:09:36 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35033] Re: Computer Logging Programs
Message-ID: <199903080309.VAA09831x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Sun, 07 Mar 1999 18:56:12 -0500, S LYON <sslyon@worldnet.att.net> wrote:

> I've been using Log-EQF (on recommendation) since I got my ticket in '94
> and really like it. It's QRP friendly, too, AND it's going to be working

Is Log-EQF Y2K compliant? I thought I read somewhere that it wasn't. Can anyone confirm whether or not it is? I had it loaded on my palmtop pc but deleted it because I believed that it was not compliant and have been using a generic database to keep up with contacts.

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, A0-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Sun, 7 Mar 1999 21:52:03 -0800
From: w4bws@juno.com
To: michaelbstjames@email.msn.com
Cc: qrp-l@Lehigh.EDU
Subject: [35034] Re: new (to me) rig
Message-ID: <19990307.220843.-177275.2.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike I have a 80 MXM mini and it works very well.
Don't know much about them-pretty rare I guess.
Saw an add here on QRP-l for a 30 meter one today.

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

On Sat, 6 Mar 1999 23:43:30 -0600 "Mike =?ISO-8859-1?Q?N=D8WDM" ?=
<michaelbstjames@email.msn.com> writes:
>Today I picked up an interesting little rig. Made by Dentron in the
>early
>to mid 80's. It's called an MLX-mini. It operates on 20 meters ..
>ssb and
>cw ; has a digital display and seems to have several mods. Can anyone
>tell
>me more about this little rig? When was it advertised? Any reviews?
>Hints
>or kinks ? Anyone else own one? (the serial # just says
>"experimental")
>Thanks ... Mike n wdm ... Minnesota
>
>
>
>

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

Date: Sun, 7 Mar 1999 22:20:35 EST
From: FrConrad@aol.com
To: QRP-L@lehigh.edu
Subject: [35035] NC20(for the filters)Setting the Offset
Message-ID: <aec0e2c9.36e34203@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

To whom...

Advice wanted:

I have build my NC20 and it works great. However, I didn't really get the part about setting the offset frequency.

The sidetone coming from my Tick is okay for a sidetone, though a little low for a receiver signal. It seems to me that the receiver signals at a slightly higher tone come through the filters better. At the tick sidetone freq, the signals are weak.

I have made a couple of contacts with the NC20 and the stations come back to me down-frequency (about an eighth to a quarter of an inch on the circumference of the RIT knob).

Is there any reason why I can't just keep bumping the offset (C-7) up until the stations (usually) return right in the RIT notch.

As you can see, my electronics abilities are a little barbaric--but it's fun.

Thanks,

John+
WB6MFS

Date: Sun, 7 Mar 1999 22:22:07 -0500
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35036] Re: new (to me) rig
Message-ID: <007b01be6912\$da9b6f20\$923467d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If memory serves, these are DSB TX and DC RX. I believe they were listed in the CQ annual Ham Radio books of the mid 80's.

73 de Vince, VE3VFN

-----Original Message-----

>>Today I picked up an interesting little rig. Made by Dentron in the
>>early

Date: Sun, 07 Mar 1999 21:35:49 -0600

From: Lee Bahr <bahr521@earthlink.net>
To: ke5tc@crosstel.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35037] Re: ft.smith&k2
Message-ID: <36E34595.85F53B1B@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

PRESSURE JAY !!!!! Lee bahr w0vt

ke5tc wrote:

> Jay:
> You will have a completed K2 on display at the
> qrp forum Sat., won't you ?????
> -----
> Royce KE5TC

Date: Mon, 08 Mar 1999 03:35:02 +0000
From: bob evinger <r.evinger@gte.net>
To: qrp-1 <qrp-1@Lehigh.edu>
Subject: [35038] Wanting to sell.
Message-ID: <36E34566.D3D50E50@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Okay, I have been wanting to get an OHR 500 so....

I have an AEA PK-900 that gets used about twice a year(rtty contest and once in a blue moon)
I think I have all the manuals and it is currently wired up for a TS-690s.

\$250 includes shipping and COD charges

Oak Hills 40 Meter Explorer II set for 7 to 7.07. \$90 includes shipping and COD. If interested
and you would like it up on the novice band I can move it if you like.

This wont get me all the money to get the 500 but it will get me close.
I hate selling equipment but
got too many hobbys going and my xyl(who is a ham) said if I want more

toys I got to get rid of
something.

I would prefer email responses, just because it saves everybody the cost
of a long distance call.

Well almost, I have to call long distance to get my email but it still
quicker than a voice call.

I usually only check my mail once a night.

72

bob

--

Bob Evinger WD9EKA Marshall, Illinois
wd9eka@arrl.net

Date: Sun, 7 Mar 2004 19:46:37 -0800
From: "Frank Grigaliunas" <fgrig@iea.com>
To: <jeffj@scott.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35039] Re: Computer Logging Programs
Message-ID: <199903080347.TAA11255@comtch.iea.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff Johns <jeffj@scott.net> wrote:

> Is Log-EQF Y2K compliant? I thought I read somewhere that it wasn't. Can
> anyone confirm whether or not it is? I had it loaded on my palmtop pc but
> deleted it because I believed that it was not compliant and have been
using
> a generic database to keep up with contacts.

I'm not much of a tester nor a follower of the Y2K hubbub, but I did
download a copy of the program, set the date on my computer to 2005, and
ran the program. Didn't seem to bother either the program or the rest of
the computer.

Let me know if I'm missing the point here.

--Frank, AB7YT

Frank and Karen Grigaliunas, W. 1816 Dean, Spokane, WA 99201

fgrig@iea.com -==*- (509) 326-7147 -==*- <http://www.iea.com/~fgrig/>
"The Internet doesn't annoy people. People annoy people."

Date: Sun, 07 Mar 1999 20:59:39 -0700
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-1@lehigh.edu
Subject: [35040] DX is!T30R 03:56 at 14.022.8
Message-ID: <36E34B2A.CC594A94@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all,

Just thought I would take a chance and see if anyone was still awake out there with your NC-20. I thought I would take a quick spin through 20 meters to see if there was any life out there. I hear a machine gun "599 TU" at 14022.8. It is T30R W. Kirabati. I fire my call once at 2.5 watts, nada. Check the tuner and tweak it to 2.8 watts and he comes back "N0TFI 599" (yah sure). Bingo! Another new band country QRP!

OHR 400 (will never sell it) at 2.8 watts to the Gap Titan.

Still there and pounding away!

03:56 Z at 14.022.8

--
Jess N0TFI <><
<http://www.concentric.net/~jessqrp> Personal Home page
<http://qsl.net/n0tfi/bug.html> Bug Stories

Date: Sun, 7 Mar 1999 22:08:37 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: "QRP-L Distribute" <qrp-1@Lehigh.EDU>
Subject: [35041] Useful Beacon for 30M to the Middle East?
Message-ID: <002601be6919\$583f60c0\$9c37a497@aa5tb>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For the last few days I have been receiving a CW transmission on 10.046 MHz that has been a good check for 30m openings to the Middle East (I think). The transmission is as follows:

VVV DE 4X7 4X7 - -

The call 4X7 should belong to Israel. I've been hearing it locally here in Texas from just after sunset until the wee hours of the morning. The signal peaks just after my sunset and again at about Israel's sunrise. If anyone has any information on this station and can verify its location it sure would be helpful. Chances are it won't be on the air long. I've often tuned that part of the spectrum and haven't heard it until a few days ago.

73,
Steve Yates
AA5TB
Fort Worth, TX
<http://home.swbell.net/aa5tb>
aa5tb@swbell.net

Date: Sun, 7 Mar 1999 21:46:51 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [35042] DX Ops Like QRPers!
Message-ID: <199903080446.VAA21704@usr04.primenet.com>

Howdy Folks,

Not trying to beat a dead horse, but maybe some of you may want to consider experimenting.

Got on 20M tonight (0415Z) and started tuning around. Lots of ZL's, JA's, and various Russian stations. I found (once again) that I *appear* to get noticed better in the DX pileups when I add "/QRP" to my call. As usual, the DX op (RX9FB) responded "QRP?" and away we went. Nice short chat (Toly was very interested in how much power I was using), rather than the usual "599 QSL VIA BUR0" exchange you get in most small pileups.

Again, just thought some of you might want to experiment.
DX ops seem to enjoy working QRP stations. Maybe it's
our reputation as builders, the underdog, I don't know.
Maybe it's just a fluke. But it keeps working for me.

Thanks for the bandwidth. I'll shut up and get back on
the air now. ;-) Hope your weekend was a good one!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Sun, 7 Mar 99 21:52:12 -0700
From: Jack Reed <wa7lnw@infowest.com>
To: "QRP-L Reflector" <grp-l@Lehigh.EDU>
Subject: [35043] Completed NC-20 Today...de Jack, WA7LNW
Message-ID: <199903080451.VAA19176@infowest.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Greetings from Southwestern Utah.....Portable QRP Country!

This was the weekend. Weather forecast reported rain and snow. Perfect
opportunity for completing my NorCal 20 tranceiver kit.

Worked on kit while listening to ARRL SSB DX Contest acitvity. Began
final assembly around 1030 utc this morning. Completed task and was on
the air by 2300 utc.

Here is my NC-20 log:

TIME	CALL	NAME	LOCATION	RST SENT	RST RCVD	COMMENTS
2308 utc	W5UXH	Chuck	New Mexico	589	579	Chuck was running his new K-2 @10
2354	AB7CE	Roy	Butte, MT	549	599	Roy was running K-2 @4w into yagi
0028	KE4LIA	Gerald	Louisville,KY	589	559	Ten Tec Scout, 50w, dipole
0040	KC5T	Bob	Houston, TX	339 QSB	559 QSB	Bob called me..QSB terminated QSO

- - -

This kit was very challenging. Lots of parts....small spaces....magnifying light (HELPED).

Great performing radio. Looking forward to using the NC-20 on many of this year's portable QRP events.

73's de

Jack Reed, WA7LNW
39 S. Main
Hurricane, Utah 84737

(18 miles south of Zion National Park)

Date: Sun, 7 Mar 99 22:00:47 -0700
From: Jack Reed <wa7lnw@infowest.com>
To: "Low Power Amateur Radio Discussion," <qrp-1@Lehigh.EDU>
Subject: [35044] CQ DX/QRP....de Jack, WA7LNW
Message-ID: <199903080500.WAA20274@infowest.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Hello Joe,

Thanks for sending me the results of the "1998 QRP to the Field" event. Received printed results in last Friday's mail. Got me all excited...I am already trying to figure out how to better my score in an even more exotic multi-stateline location. However, pretty hard to compete with Four Corners gang.

I completed my NorCal 20 kit this afternoon. Just now going to tune 20 for some DX. I have used your technique of /QRP when chasing DX....and it works very well.

Where you using your Sierra or the NC-20 tonight in your 20 meter scavenger hunt for DX?

73's de Jack,WA7LNW
Hurricane, Utah

Subject: DX Ops Like QRPers!
Sent: 3/4/19 4:33 pm
Received: 3/7/99 9:51 pm

From: Joe Gervais, vole@primenet.com
To: Low Power Amateur Radio Discussion, qrp-1@Lehigh.EDU

Howdy Folks,

Not trying to beat a dead horse, but maybe some of you may want to consider experimenting.

Got on 20M tonight (0415Z) and started tuning around. Lots of ZL's, JA's, and various Russian stations. I found (once again) that I *appear* to get noticed better in the DX pileups when I add "/QRP" to my call. As usual, the DX op (RX9FB) responded "QRP?" and away we went. Nice short chat (Toly was very interested in how much power I was using), rather than the usual "599 QSL VIA BUR0" exchange you get in most small pileups.

Again, just thought some of you might want to experiment. DX ops seem to enjoy working QRP stations. Maybe it's our reputation as builders, the underdog, I don't know. Maybe it's just a fluke. But it keeps working for me.

Thanks for the bandwidth. I'll shut up and get back on the air now. ;-) Hope your weekend was a good one!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Sun, 7 Mar 1999 21:11:02 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [35045] Ft. Smith Hamfest, Chuck Adams and Red Hot 40
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys this weekend I will be in Ft. Smith Arkansas at the Ft. Smith Hamfest doing a QRP Forum with Chuck Adams K5F0. Really looking forward to meeting all of guys down there and Chuck and I have cooked up something special just for the

guys at the Ft. Smith get together. About a month ago I sent Chuck another NC20 Kit to build for me, but on 40 meters. Dave Fifield is starting a company called Red Hot Radio, and he will have a version of the NorCal 20 on 40 meters, called the Red Hot 40 which will probably be called the RH40, as we tend to shorten things.

Anyway, Chuck was sworn to secrecy about the rig, but now he is free to talk about it. He will be bringing it to Ft. Smith, and you will get the chance to see it there. Mike Gipe is working on the new AFA, and that part is not finished, but everything else is on the rig. Doug Hauff is supposed to send me the new anodized red case, and if it gets in I'll be taking that to Ft. Smith and will install the rig in its new case, so if you attend you'll be among the first to see the new Red Hot 40 meter version of the NorCal 20.

Chuck and I are working on the program, and we promise to keep you entertained and hopefully share some of the things that we have learned about QRP. Jay Bromley has a great list of prizes, a NorCal 20 kit, 3 Small Wonders Labs kits, 3 copies of the Elmer 101 books, and 3 copies of Paul Harden's Handbook for Homebrewers, which is a classic.

Dave Fifield has some pictures of the new Red Hot Radio NC20 kit on his website at:

<http://www.redhotradio.com>

Cruise by and check it out. Dave's first kit for the new company will be the Red Hot version of the NorCal 20, so all of you guys who filled up my email box and were disappointed last week will soon have the opportunity to buy one from Dave. Improvements include a 10 turn pot and RED anodized engraved case, and his pricing is going to be unbelievable.

Looking forward to seeing all of you who can make it in Ft. Smith. 72, Doug, KI6DS

Date: Sun, 07 Mar 1999 22:41:03 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: jeffj@scott.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35046] Re: Computer Logging Programs
Message-ID: <36E3007F.7BE724DE@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Is Log-EQF Y2K compliant? I thought I read somewhere that it wasn't.

How can a logging program not be compliant? As far as I know, it doesn't do any calculations based on the date, so it shouldn't make any difference.

--

72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

Date: Mon, 08 Mar 1999 00:55:21 -0600
From: Jay Bromley <w5jay@alltel.net>
To: bahr521@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35047] Re: ft.smith&k2
Message-ID: <36E37459.1AA36CD0@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If they only knew. I will do my best!!
73 de w5jay..

Lee Bahr wrote:

> PRESSURE JAY !!!!! Lee bahr w0vt
>
> ke5tc wrote:
>
> > Jay:
> > You will have a completed K2 on display at the
> > qrp forum Sat., won't you ?????
> > _____
> > Royce KE5TC

Date: Mon, 8 Mar 1999 11:55:54 -0000

From: "Tony Fishpool" <g4wif@btinternet.com>
To: "GQRP reflector" <gqrp-l@blacksheep.org>
Cc: "QRP list" <qrp-l@lehigh.edu>
Subject: [35048] Moving to the new list - warning!
Message-ID: <E10JyhA-0001XP-00@carbon>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm hearing that folk have joined the new list and wonder why they aren't getting any postings. In at least one case it's because they have joined a list, but it's not the official club list.

There is apparently a mailing community on OneList called GQRP-Club@onelist.com , while the new list is called simply gqrp@onelist.com

I'm not sure of the motivation behind someone creating another list, but it isn't the one that has replaced the old list. From what I have discovered, it is run by someone who has not renewed his membership this year. I leave it up to you which one you join. The signup instructions for the official GQRP club list is on the GQRP web site at <http://www.btinternet.com/~g4wif/gqrp.htm>

Kind regards
Tony - G4WIF

Date: Mon, 8 Mar 1999 07:48:29 -0500
From: Fred J Kalt <w2xn@juno.com>
To: qrp-l@lehigh.edu
Subject: [35049] Fw: Useful Beacon for 30M to the Middle East?
Message-ID: <19990308.080146.-782917.1.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I worked 4X4FJ, which was Israel, Friday nite, 7:50 pm (0050Z) on 40 meters. Had to boost it to QR0 to do it though.

fred w2xn

----- Forwarded message -----
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Date: Sun, 7 Mar 1999 22:08:37 -0600
Subject: Useful Beacon for 30M to the Middle East?
Message-ID: <002601be6919\$583f60c0\$9c37a497@aa5tb>

For the last few days I have been receiving a CW transmission on 10.046 MHz that has been a good check for 30m openings to the Middle East (I think). The transmission is as follows:

VVV DE 4X7 4X7 - -

The call 4X7 should belong to Israel. I've been hearing it locally here in Texas from just after sunset until the wee hours of the morning. The signal peaks just after my sunset and again at about Israel's sunrise. If anyone has any information on this station and can verify its location it sure would be helpful. Chances are it won't be on the air long. I've often tuned that part of the spectrum and haven't heard it until a few days ago.

73,
Steve Yates
AA5TB
Fort Worth, TX
<http://home.swbell.net/aa5tb>
aa5tb@swbell.net

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 8 Mar 1999 08:02:45 -0500
From: morehouset@tncc.cc.va.us
To: qrp-1@lehigh.edu
Subject: [35050] Hensley Paddles
Message-ID: <61CE74841460D11196FB00805FBBD2E23D70E3@tmail.tncc.cc.va.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Does anyone have any additional info or comments on the Hensley paddle? Saw

the article in CQ, and Don is a local here in Tidewater VA, but interested in hearing from those who have had a chance to use his paddle.....

72/73,

Tom, K4AEN

Date: Mon, 08 Mar 1999 08:08:14 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: sjolin@swbell.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35051] Re: QRO BIGOTS - ENOUGH ALREADY
Message-ID: <3.0.5.32.19990308080814.007f2650@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I couldn't agree more. I personally don't care if your running a gigawatt, megawatt, or 1/8th of a milliwatt. If I can hear you then I'll work you. Just as I would expect the same of you. I hope the thread will die because its ridiculous. Ay, if an op won't work you based on your pwr output, then who cares cause there's more than enough ops around.

72/73 de Scott/n3byy
Fists #5030
Laurel MD

At 04:27 PM 03/06/1999 -0600, Dave Sjolin wrote:
>Enough already. Let it die.

Date: Mon, 8 Mar 1999 06:30:59 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [35052] ab6gi de n0tu
Message-ID: <026e01be6967\$eb101400\$93a8a3cc@S&P.www.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Hi Chuck, Hey that was fun....if ur listening email me direct please!
TU & 72/73 ...Steve/n tu-Monument,CO
<http://www.webaccess.net/~s&p/HRindex.htm>

Date: Mon, 8 Mar 1999 14:49:00 +0100
From: Alen Mitrovic <alenm@hermes.si>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35053] DL-QRP-PA question
Message-ID: <7519EA69A7D4D111916400A0C955EF61F8C88F@hal9000.hermes.si>
Mime-Version: 1.0
Content-Type: text/plain;
charset="windows-1250"

Has anyone already assembled DL-QRP-PA?
http://ourworld.compuserve.com/homepages/peter_dl2fi/page10.htm
I could not find on the Web
core types for transformers and transistor types for this project.

73 de Alen / S53MA

Date: Mon, 8 Mar 1999 06:13:41 -0800
From: "Dan Trigilio" <danjt@cruzio.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [35054] 30mb Beacon
Message-ID: <000f01be696d\$df22bca0\$ba82e3a5@n1dt-s-computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The CW station on 10.046 is Haifa Naval Station in Isreal. The callsign listed is 4XZ. My log book shows that I heard it here in CA in Dec. 97.

GL es 73, Dan W6DAN
Capitola, CA

Date: Mon, 8 Mar 1999 14:13:40 -0000
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "GQRP reflector" <gqrp-1@blacksheep.org>
Cc: "QRP list" <qrp-1@lehigh.edu>, <gqrp@onelist.com>
Subject: [35055] Using e-mail to subscribe to the new GQRP list
Message-ID: <E10K0rJ-0004zz-00@praseodumium>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I hadn't previously thought this was possible, but buried in a OneList FAQ it says this can be done. I've tested this, and it does appear to work.

send to gqrp-subscribe@onelist.com - subscribe to the list.
send to gqrp-unsubscribe@onelist.com - unsubscribe from the list.
send to gqrp-digest@onelist.com - switch your subscription the digest mode.

send to gqrp-normal@onelist.com - switch your subscription the normal mode.

Kind regards
Tony - G4WIF

Date: Mon, 8 Mar 1999 09:13:05 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <qrp-1@lehigh.edu>
Subject: [35056] Plastic varicaps
Message-ID: <000101be6976\$2c8195e0\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just wondering if anyone could direct me to some of the 270pf per section, dual-section, "plastic" variable capacitors. I've tried Mouser and Digi-Key with no luck... I want to use them in a small Z-Match that will fit in an SST-type case. Thanks...

73,
Nathan
KB0NNV

Date: Mon, 8 Mar 1999 10:12:49 EST
From: Jkn1olo@aol.com
To: wd3p@juno.com, qrp-1@lehigh.edu
Subject: [35057] Re: Homebrew QSL Cards
Message-ID: <40ad4303.36e3e8f1@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

<<>>

Hi,

I've done the same thing using MS Publisher. The advantage with publisher I've found is I can do 4 at a time and then cut them down. Saves on paper.

John
N10LO

Date: Mon, 08 Mar 1999 07:18:00 -0800
From: Bill Jones <kd7s@psnw.com>
To: tpettibo@NMSU.Edu, qrp-1@lehigh.edu
Subject: [35058] Re:NC20:nee troubleshooting help
Message-ID: <36E3EA28.1632CF0A@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Tim Pettibone Wrote:

>Finished my NC20 and have had some good contacts - some with other NC20s!
>Problem is that the RIT effects the transmit frequency as well.

I had the same problem and found the mute FET wasn't turning on completely. I replaced it with another MPF-102 from the junkbox and the problem was immediately cured.

On the frequency pulling, there was a post earlier on how to resolve that ... I think from Gary. The solution was to

replace the 78L08 regulator. Even though the one supplied with the original kit was well within specs, it seems that some 78L08s are better than others. You need one with slightly better regulation. I also have that problem - although it is very slight - and am going to buy a half dozen 78L08s on the way home from work tonight and swap them out until the yoop goes away. Hope this helps.

Date: Mon, 8 Mar 1999 10:19:00 EST
From: CQCL@aol.com
To: vole@primenet.com, qrp-1@lehigh.edu
Subject: [35059] Re: DX Ops Like QRPers!
Message-ID: <2d3041fd.36e3ea64@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

In a message dated 3/7/99 22:49:16, vole@primenet.com writes:

<< Got on 20M tonight (0415Z) and started tuning around. Lots of ZL's, JA='s, and various Russian stations. I found (once again) that I *appear* to get noticed better in the DX pileups when I add "/QRP" to my call. As usual, the DX op (RX9FB) responded "QRP?" and away we went. >>

I have the same reaction. I enjoy QRP DX contests and QRP DXing. I almost always use "/QRP." The main reason they pick it out is not that you are stronger than the other guys, because you are not, but the additional several letters is heard AFTER the other guys have finished signing their call. All they hear is garbage, then a weak station saying "QRP" either on SSB or CW.

Ah yes, it is antenna, antenna, antenna, but boy, timing is important, too!

Gud DX,

Rich WOHEP
CQC #1

G-QRP #8446, NorCal, QRP-L #1817, ARRL - LM
Life=92s Too Short for \$800 Finals

Date: Mon, 8 Mar 1999 10:49:01 -0500
From: "Mike Yetzko" <myetzko@insydesw.com>
To: <CQCL@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35060] Re: DX Ops Like QRPers!
Message-ID: <000e01be697b\$30d7de60\$9001a8c0@mikey>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: Quoted-Printable
Content-Transfer-Encoding: Quoted-Printable

I had sent this privately a while back, in one form or another, but I think now it's appropriate for the group.

When I got my HTX-100 (I originally bought it to use as the core of a 2M SSB setup) I put it on the air just to 'jack around' with it. I started having so much fun I never got it on the air with the 2M stuff.

Anyway, I ran it with a Radio Shack Deluxe CB Mag Mount antenna on my car, and used to just play on my commute to work which was about 45 minutes or more, depending on the traffic.

One morning I was listening to two stations in english talking, and this idiot came blasting in with his call, and "This is an AMERICAN station, using an AMERICAN radio" and even went to far as to declare his coax as 'American' and his mic! These two guys politely acknowledged him, then went back to their private conversations. Well, I threw out my call with 'QRP mobile' at the end (I was running low power) and these two seemed to cream their jeans to get to me. They were fascinated that I was QRP AND mobile! One station was just out side of Moscow, the other was in East Germany. I talked to them at least 30 minutes, but I DID have to kick up to high power for a few minutes at the end of the commute (a whopping 25W PEP on the Radio Shack rig!).

I'm not sure what was more fascinating to these guys, the fact that I was mobile, or QRP.

Mike Yetsko
N1DVJ

In a message dated 3/7/99 22:49:16, vole@primenet.com writes:

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Ah yes, it is antenna, antenna, antenna, but boy, timing is important, too!

Gud DX,

Rich WOHEP
CQC #1
G-QRP #8446, NorCal, QRP-L #1817, ARRL - LM
Life=92s Too Short for \$800 Finals

Date: Mon, 08 Mar 1999 09:50:33 -0600
From: Pete and Ros <peteros@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35061] Re: Computer Logging Programs
Message-ID: <36E3F1C8.D96E4136@home.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Roger Hightower wrote:

> How can a logging program not be compliant?

Quite easily. When it generates ASCII output, for example.

The ARRL Standard File Format requires that all log data be aligned in columns and that the date be of the form DD/MM/YY or MM/DD/YY.

If a logging program tries to print this file format during the years 2000-2009, and the programmer hasn't taken care of these special cases, it could print nothing at all (i.e. not even two spaces) when the year should be 00, and only print one digit, instead of two, for the years 2001-2009.

There are other ways in which a logging program could fall down over Y2K issues, such as importing an ASCII log and reading in dd/mm/yy but always interpreting it as if it were dd/mm/19yy.

73 de Pete VE5VA

Warning:

I have not been certified as being Y2K compliant - but I may have been certified.

Date: Mon, 8 Mar 1999 12:13:53 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@lehigh.edu>
Subject: [35062] Re: DX Ops Like QRPers!
Message-ID: <Pine.LNX.3.93.990308120518.613F-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 8 Mar 1999, Mike Yetsko wrote:

> I'm not sure what was more fascinating to these guys, the fact that I
> was mobile, or QRP.

.../QRP/M on CW has much the same effect on people, although it seems to be about an even split on CW and QRP. Some are amazed that someone can do CW while "underway", others think I'm "punishing" myself by being QRP/M, I just think it's fun. The QRP part impresses them when I go to "TEN TIMES THE POWER" (50W heehee) and only go from 569 to 579:)

QRP or QRO/M, it's all fun, gotta play when I can... I like CW/M better than SSB/M, you get a lot of funny looks saying (or yelling)

Norway-Three-Xray-Radio-Victoria over and over again.... as I found out this weekend:)

72

```
-- Chris Cartwright,   Technical Engineer   |       ccart@vidtel.com       --  
-- N3XRV      ARRL-VE   Norcal Zombie #163   |   Gaithersburg, MD FM19je   --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Mon, 8 Mar 1999 11:48:44 EST
From: SKIPNC90@aol.com
To: michaelbstjames@email.msn.com, qrp-1@lehigh.edu
Subject: [35063] Re: new (to me) rig
Message-ID: <5bc489b3.36e3ff6c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 99-03-07 00:47:57 EST, michaelbstjames@email.msn.com writes:

<< Today I picked up an interesting little rig. Made by Dentron in the early to mid 80's. It's called an MLX-mini. It operates on 20 meters .. ssb and cw >>

Hi Mike and list members,

Mike you are correct all the MLX-mini's that I know about were stamped with "experimental". There may be a few with actual serial numbers but I don't think so. Dentron advertised them starting in about August of 1982 in "Ham Radio" with a new line of products. There was a nice single page add around Christmas time in the magazines showing it along side a Novice transceiver called the "Station One" at a suggested retail price of \$289.50.

The MLX-mini was first advertised to be 25 watts pep SSB/CW and were going to be offered from 160 to 6 meters. I only know of there being one for 80 to 20 meters

because these I have seen. I have a 20 meter model also but the only manual that I have seen is for the 80 meter unit (that is what I have).

I do not think that many of these were sold because Dentron closed their doors

the first time before all the new radios could be put into production.

The experimental units might have been the ones sent to the various ham radio outlets as working display models, or early production units that were sold off

with the Dentron assets when the doors were closed.

Careful of the final it's not cheap to replace, about \$38.00 for a matched pair from RF Parts the only way they would sell them to me. It is not protected

and you could blow it with a high swr, I did it twice.

The MXM is a different rig and company altogether and they were neat rigs and were DSB/CW, but not the same as what you have.

73, Skip Davsi NC90

Date: Mon, 8 Mar 1999 10:21:17 -0700
From: jaywa5whn@juno.com
To: qrp-1@lehigh.edu
Subject: [35064] Clandestine Radios/Fair Radio Sales
Message-ID: <19990308.102123.-100449.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Below is one source for Clandestine Radios

<http://www2.wcoil.com/~fairradio/index.html>

I have no financial interest in Fair Radio Sales in Lima, Ohio.

72...Jay, WA5WHN DM65qd Albuquerque, NM USA

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 8 Mar 1999 10:32:28 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [35065] FYBO: Final Log Check - Results this weekend
Message-ID: <199903081732.KAA21003@usr09.primenet.com>

Howdy Folks,

The FYBO logs are in, final results are being tallied and will be released this weekend. Thanks again for your support! The following is a list of all stations that are in the FYBO database. If you sent your log in but are missing, *please* let me know ASAP.

FYBO Stations, Final Draft (Alphabetical Order)

AA1MY AA5YX AA8PJ AB0GO AB5UA AB6MB AB7MY AB7OA AB7TT AB8DF
AC6KW AD6A AE2T AF5Z AI4CW AK7Y AL7FS HP1AC JR0BAQ K1QM
K4GEL K4KJP K5LN K5RAC K5ZTY K7GT K7TQ K7YDL K8CV KA5T
KB6FPW KB9LCK KC5T KE4LIA KF2EW KG7PV KG8YT KI0G KI0II KI7MN
KJ5TF KJ5VW KK6MC/5 KL7H KN6YD KS4HQ KU7Y N0GLM N0HJ N0IBT
N0QT N0SXX N0TU N1MVU N2WG N3AO N4BP N4EO N4IU N4ROA
N4UY N5LU N5TW N6WG N8NRG NA3V NN1G NQ7X NS80 VE3JC
VE3QDR VE3SP W1VT W2EB W3MWY W4EEX W4IM/7 W5BI W5CGH W5JH
W5TB W5VBO W6MV W6OTX W6PRI W6WY W7TAO W8HP W9SUL WA5WHN
WA6GER WA7SSA WA8GHZ/5 WA8RXI WB6FZH/KH6 WD7Y WD8RIF WE6W
WQ0RP WQ3RP

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Mon, 08 Mar 1999 13:04:25 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-1@lehigh.edu
Subject: [35066] SCIENTISTS TO ANNOUNCE POTENTIAL TOOL FOR FORECASTING ENORMOUS
SOLAR ERUPTIONS AT MARCH 9 SPACE SCIENCE UPDATE
Message-ID: <3.0.5.32.19990308130425.007b4e20@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>SCIENTISTS TO ANNOUNCE POTENTIAL TOOL FOR FORECASTING ENORMOUS
>SOLAR ERUPTIONS AT MARCH 9 SPACE SCIENCE UPDATE
>
> Scientists will announce on Tuesday, March 9, 1999, their

>discovery of a possible way to forecast several days in advance
>the largest and most violent explosions on the Sun's outer
>atmosphere. The explosions, called coronal mass ejections, are as
>powerful as billions of nuclear explosions and can affect radio
>communications, electrical power systems and satellites orbiting
>Earth. The announcement will be made at the next Space Science
>Update, scheduled for 1 p.m. EST at NASA Headquarters, Washington,
>DC. The scientists will discuss how they made the discovery
>using images from the Japanese/U.S. Yohkoh satellite, what we know
>about such explosions, and how this new tool will be used in
>forecasting solar activity and its effects on Earth.

>

> Panelists will be:

> * Dr. Richard Canfield, Research Professor, Physics Department,
>Montana State University, Bozeman
> * Dr. Sarah Gibson, postdoctoral fellow, University of
>Cambridge, England
> * Dr. David M. Rust, Senior Physicist, The Johns Hopkins
>University Applied Physics Laboratory, Laurel, MD
> * Dr. Alphonse Sterling, solar physicist, Computational Physics
>Inc, Fairfax, VA, where he acts as a contractor to the Naval
>Research Laboratory (NRL), and Yohkoh science team
> * Dr. George Withbroe, Science Director for the Sun-Earth
>Connections science theme, NASA Headquarters, Washington, DC,
>panel moderator.

>

> The program will originate from NASA Headquarters
>Auditorium, 300 E St., SW, Washington, DC, and will be carried
>live on NASA TV with two-way question-and-answer capability for
>reporters covering the event from participating NASA centers.

>

> NASA Television is broadcast on the GE2 satellite located
>on Transponder 9C, at 85 degrees West longitude, frequency 3880.0
>Mhz, audio 6.8 MHz. Audio of the broadcast will be available on
>voice circuit at NASA's Kennedy Space Center on 407/867-
>1220/1230/1240.

>

> - end -

>

>

>

>

* * *

>

>NASA press releases and other information are available automatically
>by sending an Internet electronic mail message to domo@hq.nasa.gov.
>In the body of the message (not the subject line) users should type
>the words "subscribe press-release" (no quotes). The system will
>reply with a confirmation via E-mail of each subscription. A second
>automatic message will include additional information on the service.

>NASA releases also are available via CompuServe using the command
>GO NASA. To unsubscribe from this mailing list, address an E-mail
>message to domo@hq.nasa.gov, leave the subject blank, and type only
>"unsubscribe press-release" (no quotes) in the body of the message.
>
>
>
>

Date: Mon, 8 Mar 1999 13:10:23 EST
From: PGSPersEng@aol.com
To: qrp-l@lehigh.edu
Subject: [35067] address for WQORP
Message-ID: <82449d95.36e4128f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

I'm starting to collect QSLs from as many WQxRP stations as possible, and I worked WQORP last month. I checked Buckmaster and QRZ to find the address for exchanging a QSL and got the following:

MN QRP Assoc
13085 Eldorado St NE
Blaine MN 55449

So, I send my QSL and an SASE to that address -- and it comes back with someone's handwriting on the envelope, "Not at this address."

Where do I send my QSL to get one back from WQORP?

Thanks,
Paul, AA1MI

Date: Mon, 08 Mar 1999 13:14:54 -0500
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [35068] Fox Appology
Message-ID: <36E4139E.B73F35E6@eng14.rochny.uspra.abb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fox Hunters:

I apologize for missing my fox date on 2/10/99.
I failed to check the schedule. Again I am
very sorry for my neglect.

Sincerely,

Tom, kv2x

Date: Mon, 08 Mar 1999 10:27:29 -0800
From: Allan G Taylor <k7gt@arrl.net>
To: qrp-l@lehigh.edu
Cc: radios@elecraft.com, k7gt@arrl.net
Subject: [35069] K2 live demo realized
Message-ID: <36E41691.1F26@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bob, N6WG, graciously brought over his K2 yesterday afternoon for some operating and inspection time. Almost nil going on 40 and 30m, but did work AE6N (NC20 with a BAD 78L08 reg--a UA0 class chirp) for some on-the-air time. I found the control interface to the K2 to be marvelous. The cabinet is a wonder of steel and screws, absolutely solid construction. I found the display doing just the right thing ,a particularly nice feature of the rig. Change the keyer speed: it displays the speed for a few seconds, change the power: it displays THAT for a few seconds...

QSK seemed very good. Comparable with the big rig.

The internal keyer has slightly different timing than the mode B SuperKeyerIII that I use but I adapted to it fairly quickly. One major flaw in the K2: no separate key jack!! PLEASE FIX THIS, WAYNE/ERIC! Sharing the key jack with the paddle is the biggest complaint I have about the IC706 backup rig. To do contest operating the way I prefer, I need a paddle available to me with rig front panel speed control and also the computer key line from the contest logging program. Simultaneously, of course! No, using the keyer emulator in the logging program isn't good enough. Changing paddle speeds is not as conveniently done that way. Sure, I could use the SKIII in common/parallel with the

computer key line, but why should I not just use the internal keyer.

A few other minor observations. The filter bandwidth is not continuously variable in real time. Not a big issue, but somehow I expected it to be comparable to other little rigs...Sierra, OHR100A, TT Scout... It also seems that the tighter filter positions could use a bit of gain compensation in the IF chain. Compensating for the increasing filter loss by changing the gain automatically should be a reasonable chore for that microprocessor. Also, the stand seems a bit tall. For one who doesn't customarily use BNCs in the shack, the combination of a S0239 with a UHF/BNC adapter almost pushes into the table at that high rake angle. Could a bracket of about half that height be made available? (Otherwise I will make one)

Some more positives: the K2 is definitely lighter than either big rig. (It is, however, bigger in all three dimensions than the 706)

Point of reference: I am comparing the K2 to top of the line gear. My main rig is an OmniVI/option 3 and the backup rig is an ICOM 706/II. I have had Tentec Scout and Argo (sold both...) and earlier an OmniD.

I can't wait to get mine! With separate key jack, of course.

--

```

                                     |
                                   /|
                                 /  |
                               /Z  | \
Allan Taylor, PE  K7GT           | /599| \   QRP-L 1016 FISTS 3222
    k7gt@arrl.net              /| /____|__\  ARS 228    10X 69929
operating nr SF/Oakland CA     /_/_/_/_/_\  DXCC 8171/CW 1395/40m
..."QRP, QRO, or barefoot..."... [\-----/
~~~~~
-----
```

Date: Mon, 8 Mar 1999 10:46:15 -0800 (PST)
From: Patrick Franzis <old_radios@yahoo.com>
To: QRP list <qrp-l@Lehigh.EDU>
Subject: [35070] Date needed on a key.
Message-ID: <19990308184615.19382.rocketmail@send101.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi all,

Does anyone know when the j-5 key was made? Here is the info from the key:

SIGNAL CORPS. U.S. ARMY
FLAME PROOF KEY J-5-A
ORDER NO. 2670 NY 41
MADE BY
L.S. BRACH MFG. CO.
NEWARK N.J.

Private email is OK : old_radios@yahoo.com

Thanks, Pat N10CJ

==

~ Patrick Franzis old_radios@yahoo.com

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 08 Mar 1999 13:52:48 -0500
From: Mike Boatright <ko4wx@mindspring.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [35071] Right-hand vs. Left Hand Toroids
Message-ID: <36E41C7F.D2190215@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Been enjoying building my NC20! Great piece of work and a thoroughly enjoyable construction process. I got a late start (other projects on the bench), and am working very slowly--maybe if this works, I can tackle the K2. 8-%

Question for the day: does it matter if you wind a toroid left-handed vs. right-handed? In the NC20, I've learned that it's critical to make sure you wind the toroids EXACTLY as shown, otherwise the correct wires won't match up with their holes. When I learned to wrap toroids, I learned to hold it in my left hand and feed the wire with my right hand, with the turns going onto the toroid counterclockwise.

The NC20 directions having you wind the coils exactly the opposite, holding the toroid in your right hand and winding the turns clockwise with your left hand. I finally clued into this after constructing L1. The inductor works just fine by turning it over (grey side up), and the VF0 is working fine (after putting D3 in the right way--I thought I had an T1/T10 links problem).

I'm winding the remainder of the coils using the AD6A method, but it just got me to thinking: does it really matter, assuming the correct wires match up in the circuit? Maybe it just matters south of the equator. 8-)

72 de Mike, K04WX

--

Mike Boatright, K04WX (ko4wx@mindspring.com, 770-434-4528h
770-835-6699w)

District Emergency Coordinator to the Georgia Emergency Management
Agency

American Radio Relay League/Amateur Radio Emergency Service

Date: Mon, 08 Mar 1999 11:01:42 -0800
From: Allan G Taylor <k7gt@arrl.net>
To: ko4wx@mindspring.com, qrp-l@lehigh.edu
Subject: [35072] Re: Right-hand vs. Left Hand Toroids
Message-ID: <36E41E96.388C@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-- You have uncovered a hitherto unknown and obscure technique to reverse the intrinsic spin on electrons. The number of lefty inductors divided by two will give you the final spin (and therefore polarization) from your antenna. <End of spoof.>

Of course not. The only issue here is having the leads from the inductor hit the predrilled hole and pads on the PCB.

	/	
	/	
Allan Taylor, PE K7GT	/Z \	
k7gt@arrl.net	/ /599 \	QRP-L 1016 FISTS 3222
operating nr SF/Oakland CA	/_ /____ __\	ARS 228 10X 69929
..."QRP, QRO, or barefoot..."...	[\-----/	DXCC 8171/CW 1395/40m

Date: Mon, 08 Mar 1999 11:02:50 -0800
 From: Mont Pierce <montp@synacom.com>
 To: FrConrad@aol.com
 Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
 Subject: [35073] Re: NC20(for the filters)Setting the Offset
 Message-ID: <36E41EDA.1E0BB442@synacom.com>
 Mime-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

FrConrad@aol.com wrote:

>
 > Is there any reason why I can't just keep bumping the offset (C-7) up until
 > the stations (usually) return right in the RIT notch.

The easiest way I've found to make sure I'm on frequency is to use another receiver.

With the NC20 connected to a dummy load there is usually still enough signal to pick up on a 2nd receiver close by.

Now on both rigs tune to a weak to medium strength signal.

Now xmit on the NC20 and listen to your signal on the 2nd receiver.

Tune the NC20 until it beats with the other signal.

Next tune around to some other signals and see it works.

73,
 Mont

Date: Mon, 08 Mar 1999 19:17:58 +0000
 From: Ed Loranger <we6w@qsl.net>

To: qrp-1@lehigh.edu
Subject: [35074] Invisible Antenna Try#1
Message-ID: <36E42266.3C0C@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi friends. The quick and dirty, "I don't have to think about it much" invisible antenna failed miserably.

Although it was great to hear the "K" beacon on 40 Meters Saturday Night.

I used Duct tape to hold two enameled, #28 AWG wires apart as a transmission line. They went to the edge of the mobile home, stood off from the siding by a loop of tape about 1/2 inch from the trailer. The run of parallel wires was about 16 feet, then the wires separated there and ran to the awnings where one was taped pointing Northeast, the other Northwest.

It loaded up nice and was narrowband, which is a good sign.

Unfortunately all my signal was coupled to the surrounding metal and didn't get out.

On a high note, I was NCS for QRP WSN-40 net. I set up at Doyle Park in Santa Rosa. It was a nice bicycle ride with all my gear stowed inside my briefcase. The weight was a small burden on the bikerack, but it was an easy haul.

It took only 15 minutes to erect the 40 meter dipole I had tested last year as excellent. It is made entirely of "Heater Cord", and used no feedline, rather I connected directly to the antenna tuner.

My 4.5 watts successfully handled all the regular stations for the net. Not bad for an antenna up 4 to 7 feet at its highest point, and the center up only 3 feet!

On the invisible antenna project, it is time to get serious. I will next attempt a low wire end-fed, run along the roof and supported somehow....

I would have done better this Saturday for my experiments, but the ladder was not available for roof work.... Aw shucks!

Have a nice day, all.
-Ed Loranger

--

-Ed AR QRP Millennium QSO's=510/2000
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Mon, 8 Mar 1999 11:50:10 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [35075] Joe Everhart at NorCal Meeting
Message-ID: <01be699c\$e0bab660\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yesterday I was thrilled to see an old friend, Joe Everhart, N2CX at the NorCal meeting. Joe is one of the founders and main cogs of the NJ QRP club and is the famous designer of the Rainbow Tuner Kit and the Gusher antennas. He had the neatest little antenna arrangement with him that I have ever seen. It was a spool made from pc board mounted on a post that was soldered into an Altoids tin. The spool had a handle that was mounted on a hinge, and folded out to wind the reel. Very ingenious device. Joe said that it was made for him by another NJ member, Tony Gum. He plans on writing an article on it.

Conrad Weiss and I were both admiring it at the same time, and both of us were encourageing Joe to sell kits.

Joe and I visited about Atlanticon, and he is looking forward to it very much. I just wish that I was able to be there. Imagine a sold out event in its first year. Lots of credit to the NJ gang. I am impressed by their organization and enthusiasm. QRP is well and good on the East Coast. I also commend them for having a free event with no charge to attend. I like those type of events.

The NorCal meeting was well attended, with several little conversations going on all at the same time. Jim Cates was not there, as he and Vern Wright were in Blaine Washington to attend the NW-BC joint QRP meeting. I talked to Jim on the phone last night and he said that it was a very good meeting, and that Eric Swartz and Derry Spittle both gave excellent presentations.

I saw Dave Fifield, Mike Gipe and Doug Hauff in deep conersation. Wonder what they were discussing???? Probably the commercial version of the NC20 that will be marketed soon by Red Hot Radio.

I found some pushbutton switches at the flea market that were in gangs of 4. You know the type that are pc mount and that latch as you push them in. They have a square shaft and you can see the spring. The guy was selling them for 5 for \$1, and I bought \$3 worth, took them home and found that it was a piece of cake to take them off the metal bar and voila, instant switches for 5 cents each!! Great buy.

Jerry Parker was also at the meeting and took a lot of pictures. He will no doubt have a more detailed report of the meeting plus pictures. 72, Doug, KI6DS

Date: Mon, 8 Mar 1999 15:22:10 -0500
From: Fred J Kalt <w2xn@juno.com>
To: qrp-l@lehigh.edu
Subject: [35076] Fox Hunting Teams
Message-ID: <19990308.152213.-669037.5.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Can someone tell me how the fox hunting team scores are calculated ? I am only curious to find out. It sounds interesting.

fred w2xn, Lakeland, FL

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or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 8 Mar 1999 14:59:27 -0600
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-l@Lehigh.EDU
Subject: [35077] FS: Yaesu FT-840, MFJ Code Tutor
Message-ID: <00103FE0.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part
Content-Transfer-Encoding: 7bit

Gang,

Wanted to see if there was any interest in some goodies:

1. Yaesu FT-840 - Bought new June 96. Mint condx, used only indoors in a non-smoking environment. Power can be reduced to QRP levels (3 watts) by front power pot. Electrically and cosmetically a 10. Have hand mic, original box, and manual.
\$600.00 plus shipping
Reason for selling: Saving up for a new toy :-)
2. MFJ Code Tutor - Bought new in July 96. Very good condx. This is the original version tutor and not the newest one with large LCD. Works great and can be used in portable settings (car, camping, etc.) for nice practice sessions. Good for upgrades. Will throw in a fresh 9 volt battery :-).
\$35.00 shipped priority mail CONUS

If interested, please send message direct. TIA.

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Mon, 8 Mar 1999 16:34:00 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [35078] 40 mtr qrp / sstv 7.228mhz
Message-ID: <19990308.163810.-213275.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang:

For those of u interested in qrp sstv.... I have been joining a group on 7.228 mhz in the mornings from about 1500Z to about 1730Z...

Conditions on forty are improving and sstv pictures are acceptable at the 5 watt level on forty in the mornings.... that's 10am to 1230pm Eastern time.... 7.228 mhz ...

There is also an 80 mtr freq of 3.857 or close to it... haven't tried that one yet... they meet at night but don't kneaux the time...

just thought someone might be interested... sstv programs can be downloaded from the web at no cost to try them out and are easy to set up and get on the air....

god bless

kella, joel in maine, digging out of 15 inches of sneaux from the weekend storm...

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 8 Mar 1999 16:47:31 EST
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [35079] Motorola MC-3361 "Radio on a chip"
Message-ID: <e2111d86.36e44573@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

I am looking for information on the MC-3361 IC, which is basically an FM transceiver on a chip. Does anybody in radio land have specs on this? Is it similar to the MC-3362, used in Gary, K9AY's transceiver from a few years back?

This is the chip used in the Midland 75-160 FM CB HT I will be converting to 10M service. Fortunately the owner's manual DOES have a schematic, so the process will not be so painful.

Incidentally, this radio is available from JC Whitney for \$29.95. It is their stock number 81LT1400T. JC Whitney is at (312) 431-6102, FAX (800) 537-2700. WARNING: They rake you over the coals for shipping. Mine was about \$13.00 for 8 day USPS. Unfortunately I could not find the radio anywhere else.

72 all,

Howard Kraus, K2UD

Date: Mon, 8 Mar 1999 13:53:04 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <prvalko@oakland.edu>

Cc: "QRP-L list" <qrp-l@Lehigh.edu>
Subject: [35080] Re: TROUBLE!: NC-20 beeping at me!
Message-ID: <135c01be69ae\$0e3edf60\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul --

That beeping noise was your alarm clock waking you up to tell you that you fell asleep while working on the NC20, and it was time to go back to work to deal with Y2K. hi hi hi

But back to business. When you finished the receive section, did you align it and test it before you went back to the Tick section? Did the AFA work with the receiver built up before the Tick was installed?

Does the problem correct itself if the Tick is removed?

What is the frequency of the beeping sound? 600 Hz or 1.5 kHz? Is it possible that you have a solder short between the AFA and Tick such that the AFA output is triggering the dit paddle input?

What are the voltages on the AFA and Tick pins?

Mike K1MG

Paul Valko wrote:

>...My partially completed NC20 just developed a weird problem, I may have
>blown up the AFA chip....

Date: Mon, 08 Mar 1999 13:58:55 -0800
From: Danh Le <dle@san-jose.tt.slb.com>
To: johns516@maroon.tc.umn.edu
Cc: qrp-l@lehigh.edu
Subject: [35081] Re: NC-20 VFO problem
Message-ID: <199903082159.NAA27338@iris.san-jose.tt.slb.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:48 PM 3/7/99 -0600, you wrote:

>I have hesitated about pulling the L1 coil out to check the rest of the
>circuit for shorts, shorted capacitors etc. I suppose that may be my
>next step. I just know that I probably won't be able to get it back into
>its tight quarters without rewinding it so I have the longer leads to feed
>back into the holes.

Hi Craig,

Have you checked to see the phasing between the tap and the primary
coils of L1 are correct? From the picture on page 8 of the manual, all 3
terminals are ended up on the same side of the core.

I learned this a while back while building the NW80 (similar VFO winding)
that mixing up the phase between them can kill oscillation completely.

>
>Any suggestions would be much appreciated.
>
>73,
>- Craig, AA0ZZ

GL es 72 / 73 de Dan, ke6d

=====
Danh Le, KE6D, Milpitas CA ke6d@w6yx.ampr.org

Date: Mon, 8 Mar 1999 16:16:38 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: K2UD@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35082] Re: Motorola MC-3361 "Radio on a chip"
Message-ID: <Pine.OSF.4.05.9903081615010.21672-100000@duke.usask.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 8 Mar 1999 K2UD@aol.com wrote:

> I am looking for information on the MC-3361 IC, which is basically an FM
> transceiver on a chip. Does anybody in radio land have specs on this? Is it
> similar to the MC-3362, used in Gary, K9AY's transceiver from a few years
> back?

This reminds me, in the Canadian Advanced Certificate diagrams there is a
radio which uses the MC3359. I am wondering if anyone ever built the
radio. If you want to see the diagram look at

<http://duke.usask.ca/~buydens/ham/sprhet1.gif>

```
+-----+
| Brian Buydens,           Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca           http://duke.usask.ca/~buydens |
| VE5RDV                                     |
+-----+
| DO NOT ADD ME TO ANY MAILING                                     All wiyht. Rho |
| LISTS WITHOUT MY CONSENT !!!                                   sritched mg kegtops |
|                                                                    around? |
+-----+
```

Date: Mon, 08 Mar 1999 22:23:44 -0800
From: dave.g0dja@psilink.co.uk (Dave Ackrill)
To: qrp-1@lehigh.edu
Subject: [35083] Re: Inverted-L
Message-ID: <E10K8Q3-0001z0-00@relay2.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>As you well know, this is nothing more than the old multiband center fed
>double as an inverted vee and rotated 45 degrees. I use 65 foot vertical and
>65 foot horizontal sections and hang it at 85 feet--feed it with 450 ohm
>ladder line and it is an excellent (general purpose) HF antenna.
>God, I still don't believe how angry some people were. Again thanks, you
>saved me from a modern day Ham inquisition.

I'm still confused here.

Do you mean the Doublet antenna, with the feeder 'strapped', or shorted out,
at the bottom. Which operates as a top loaded antenna, or 'T'?

Looking at the 'rotated 45 degrees' bit, do you mean the top is rotated in
the horizontal? Or what?

I still can't quite picture how a Doublet can be described as an Inverted-L.

Not trying to be negative, or 'flame', but I am confused by the terminology
being used.

Regards - de Dave (G0DJA)

Date: Mon, 08 Mar 1999 22:23:42 -0800
From: dave.g0dja@psilink.co.uk (Dave Ackrill)
To: qrp-l@lehigh.edu
Subject: [35084] RE: Inverted L
Message-ID: <E10K8Q1-0001z0-00@relay2.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I think there's a bit of a mix up of two antennas here.

Sounds like a Doublet to me. An antenna that looks like a 'T', where the top of the 'T' is cut in the middle and two wires hang down to the tuner?

>Would anyone using an inverted L antenna--center fed with ladder line and a
>tuner-- share their opinion of the antenna with me? I want your input if you
>have this set up.

Bruce,

If you really mean an Inverted-L, I'm not sure if you are refering to a Zepp antenna. In which case, please explain what you mean by 'center fed'?

Anyway, as they say, it all depends what you want - HI!

Do you want a multiband antenna with predominantly horizontal polarization, where the antenna is 'balanced' (doesn't work against ground)? In which case the Doublet is a pretty good all round performer. Where the higher you can put the top, and the longer the top, the better. (In most cases!)

If you meant an Inverted-L, then this needs a 'ground' to work against. There are various designs, but again, the usual rule is the longer you can make the wire, the lower the band you can use (a 'typical' Inverted-L is usually 40M wire, i.e., a 1/4 wave on 160M). Also, make the vertical part of the 'L' as long as you can. That is, it's as tall as you can make it. This is because the radiation is usually vertically polarized.

However, you need to decide what you want to do with the antenna, but either is good for a beginning or as a general purpose antenna.

I have a centre fed doublet, which I tune up using a Z-Match. This is a particular type of tuner, which takes an unbalanced, coaxial, cable input and matches it to the balanced 'ladder' feeder. The 'top' is about a 1/2 wave dipole on 80M and is 'OK' for general working, where I don't really mind where the RF goes, as long as someone hears, and answers. HI.

However, as you get more discriminating (want to work, say, the USA and get all Sates from the UK, then a beam becomes more necessary. Both to send more RF stateside, and to 'null out' the other local Europeans.

If you want to work people in a particular direction, on a particular band, reliably or if you get really 'into' a particular band on its own, then you need to concider a more speciallised antenna.

HTH de Dave (G0DJJA)

Date: Mon, 08 Mar 1999 22:26:37 +0000
From: Ed Loranger <we6w@qsl.net>
To: K2UD@aol.com
Cc: qrp-1@lehigh.edu
Subject: [35085] Re: Invisible Antenna Try#1
Message-ID: <36E44E9D.7E34@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hee, hee! It Really worked out well. I got to prototype the transmission line quite quickly, and also set up these little tags of duct tape to stand-off the TX line. Quick. Hey, you know how nosy these neighbors are during the day AND night :)

I had the whole thing up in 10 minutes. Of course, when the antenna is efficient enuf to succeed, then the real stand-offs and TX feedline come in.

Thanks for the smiles.
-Ed "72"

This Jovial respondent asked:

>
> Duct tape? You been watching the Red Green Show a little too much?
>
> 72

--
-Ed AR QRP Millennium QSO's=510/2000
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Mon, 8 Mar 1999 14:37:32 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <k5zty@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35086] Re: FOX: Another fun year behind us
Message-ID: <139801be69b4\$44520bd0\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>What do we do on Tues and Thurs nites now??
>
>72,
>Bill, K5ZTY

I have two things in mind:

1. Get reacquainted with those two people who were always tiptoeing around the house while I was searching for the fox, my XYL and YL.
2. Catch up on building some of the fantastic QRP kits that have come in the mail since September.

Mike K1MG

Date: Mon, 8 Mar 1999 15:53:13 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [35087] Prop Doc what's up w/SF
Message-ID: <031f01be69b6\$76ef2120\$93a8a3cc@S&P.www.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Hey Paul,

The Solar Flux numbers seem to be bouncing a little out of step?
What's that about. I haven't been watching the spots enough to know if
something has changed?

TU & 72/73 ...Steve/n tu-Monument,CO

Date: Mon, 8 Mar 1999 18:11:06 EST
From: Macstein@aol.com
To: qrp-l@lehigh.edu
Subject: [35088] Something's missing...
Message-ID: <46cf8fc0.36e4590a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

What has happened to Nils?!?!?!?! I miss his posts.

-MAC-
KF4KSM

Date: Mon, 8 Mar 1999 15:27:01 -0800 (PST)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: Message posts for QRP-L <qrp-l@lehigh.edu>
Subject: [35089] TEN-TEC KR-20 MANUAL
Message-ID: <19990308232702.1184.rocketmail@send204.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello QRPer Dudes and Dudettes - -

Anyone have a Ten-Tec KR-20 keyer manual that could make a copy and
send it to me? I'll gladly cover all expenses. Thanks.

72's es 73's,

Brad, W5CGH

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 8 Mar 1999 18:23:33 EST
From: DYARNES@aol.com
To: qrp-1@lehigh.edu
Subject: [35090] Deaf NC20
Message-ID: <f847fd34.36e45bf5@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,

Well, I'm not having much luck finding a problem with my NC20. Maybe somebody out there has some ideas of where I should look next.

I think everything was pretty much O.K. up through Section 12. My AFA seems to work FB, and the keyer does too. Actually, I was "missing" the little 100 khz type C-2 xtal (I really lost it somehow), so I went ahead and finished the rig anyway. After I got the xtal, the AFA worked right away as advertised.

I was able to hear the described effect when adjusting TC6. I do hear noise, and it did seem to change pitch as I made that adjustment. However, nothing noticeable happened when I adjusted TC2-5. The receiver muting seems to be O.K., but nothing like a signal is detectable. The audio seems fine, but that's it.

I've looked for shorts and haven't found anything, and I double checked all the toroids and they seem to have good solder connections. I don't see any missing connections either. Any thoughts on what I should check next?

Appreciate any help I can get.

Dave W7AQK

Date: Mon, 8 Mar 1999 18:39:31 -0500
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35091] Re: Something's missing...

Message-ID: <00c201be69bc\$eb239b60\$873367d1@vince>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

The guajalotes sorrientes must have kicked him out of the outhouse, I mean, ham shack.

I miss his postings too.

73 de Vince, VE3VFN.

-----Original Message-----

>What has happened to Nils?!?!?!?! I miss his posts.

Date: Mon, 08 Mar 1999 15:42:49 PST
From: "Justin McAllister" <kd5ako@hotmail.com>
To: ko4wx@mindspring.com
Cc: qrp-l@Lehigh.edu
Subject: [35092] Re: Right-hand vs. Left Hand Toroids
Message-ID: <199903082342.PAA15835@law-lfd71.hotmail.com>
Mime-Version: 1.0
Content-type: text/plain

Mike,

In order to draw a conclusion to the aforementioned problem, we must take into account the difficulty amplitude of the occilations increases with each successive nodal winding. Axioms of wave prticle duality, boson exchange, Pauli antisymmetry and Heisenburg uncertainty must all be invoked in order to achieve a steady state solution to this gravitational equasion... and don't forget Schrodinger's cat-dead or alive!?!

In other words, it don't matter a bit!

Justin McAllister, KD5AKO

>From owner-qrp-l@lehigh.edu Mon Mar 8 10:55:05 1999

>Received: from localhost ([127.0.0.1]:4420 "HELO Lehigh.EDU" ident:

"IDENT-NOT-QUERIED") by fidoii.cc.Lehigh.EDU with SMTP id <54003-52092>;
Mon, 8 Mar 1999 13:52:37 -0500
>Received: from nss4.CC.Lehigh.EDU ([128.180.1.13]:4126 "EHLO
nss4.cc.Lehigh.EDU" ident: "IDENT-NOT-QUERIED") by fidoii.cc.Lehigh.EDU
with ESMTP id <53923-52092>; Mon, 8 Mar 1999 13:48:58 -0500
>Received: from out5.ibm.net (out5.ibm.net [165.87.194.243])
> by nss4.cc.Lehigh.EDU (8.9.1a/8.9.1) with ESMTP id NAA62664
> for <qrp-l@Lehigh.EDU>; Mon, 8 Mar 1999 13:48:57 -0500
>Received: from mindspring.com (ss05.nc.us.ibm.com [32.97.136.235]) by
out5.ibm.net (8.8.5/8.6.9) with ESMTP id SAA65622; Mon, 8 Mar 1999
18:48:53 GMT
>Message-Id: <36E41C7F.D2190215@mindspring.com>
>Date: Mon, 08 Mar 1999 13:52:48 -0500
>Reply-To: ko4wx@mindspring.com
>Sender: owner-qrp-l@Lehigh.EDU
>Precedence: bulk
>From: Mike Boatright <ko4wx@mindspring.com>
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Right-hand vs. Left Hand Toroids
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit
>Content-Transfer-Encoding: 7bit
>X-To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
>X-Mailer: Mozilla 4.08 [en] (Win95; I)
>X-Orcpt: rfc822;qrp-l@fidoii.CC.Lehigh.EDU
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
>
>Been enjoying building my NC20! Great piece of work and a thoroughly
>enjoyable construction process. I got a late start (other projects on
>the bench), and am working very slowly--maybe if this works, I can
>tackle the K2. 8-%
>
>Question for the day: does it matter if you wind a toroid left-handed
>vs. right-handed? In the NC20, I've learned that it's critical to make
>sure you wind the toroids EXACTLY as shown, otherwise the correct wires
>won't match up with their holes. When I learned to wrap toroids, I
>learned to hold it in my left hand and feed the wire with my right
hand,
>with the turns going onto the toroid counterclockwise.
>
>The NC20 directions having you wind the coils exactly the opposite,
>holding the toroid in your right hand and winding the turns clockwise
>with your left hand. I finally clued into this after constructing L1.
>The inductor works just fine by turning it over (grey side up), and the
>VFO is working fine (after putting D3 in the right way--I thought I had
>an T1/T10 links problem).
>

>I'm winding the remainder of the coils using the AD6A method, but it
>just got me to thinking: does it really matter, assuming the correct
>wires match up in the circuit? Maybe it just matters south of the
>equator. 8-)
>
>72 de Mike, K04WX
>
>--
>Mike Boatright, K04WX (ko4wx@mindspring.com, 770-434-4528h
>770-835-6699w)
>District Emergency Coordinator to the Georgia Emergency Management
>Agency
>American Radio Relay League/Amateur Radio Emergency Service
>
>
>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 8 Mar 1999 15:49:05 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <DYARNES@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35093] Re: Deaf NC20
Message-ID: <13da01be69be\$432d0840\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dave --

Sounds like an IF or TFM mixer problem, less likely an RF problem.

Did you connect the jumper mentioned on pg 13? Did you turn the RF gain all the way up?

What is the voltage on the AGC2 line?

Take a screwdriver and hold it with your hand touching the metal shaft. Touch various nodes in the receiver, starting at U4 pin 1, work your way back towards the antenna (i.e. D11, R38, R34, R31, U3.2, etc). Do you hear an increase in noise when you touch the circuit? If so, at what point does it stop?

Mike K1MG

End of QRP-L Digest 1389
